I would like to thank Dr. Masoud Sadjadi, Yuzhou (Aaron) Feng, Richard Roda, Alex Dubuisson, and YingXin Li for all the help and feedback throughout the semester.

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**Problem**

- Many people look for nearby schools when searching for a property
- Competing sites have limited to no functionality when browsing for real estate near schools
- The few sites who have school functions show limited information about the schools

**Solution**

**School Search System**

- Show all schools in the view of the map
- Show schools around a specific property
- Show extensive school information including:
  - Name
  - Ratings
  - Type
  - Address
  - Grade Levels

**Current System**

- The School Search System (SSS) currently shows all school locations on the results page map.
- Each school point displays information about the school in a popup when the user mouse overs a specific point. This information includes:
  - Name
  - Ratings
  - Type
  - Address
  - Grade Levels

**Object Design**

- Contains contributions to School Search System

**System Design & Implementation**

- UML diagram for users interacting with SSS
- UML diagram for present/future SSS developers

**Requirements & Verification**

- The School Search System requires the development of:
  - Schools API added to the back-end BreazeHome API
  - getSchools() function to allow access of schools data in the front-end from the back-end.
  - Website front-end that shows the school markers on the map
  - Mouse-over popup function for school information

**Summary**

- Schools API was added to the BreazeHome root API so developers can add school functionalities to BreazeHome
- Users can see which properties are nearby schools by viewing the map in the results page.
- Users can hover over the school marker to view information about that specific school

**FUTURE FEATURES**

- Add school reviews
- Allow users to add reviews
- Filter schools based on type or grade level
- Search for schools based on distance proximities